

39357 and 39358—Continued.**39358.** *ANNONA PURPUREA* Moç. and Sesse. Annonaceæ.

"This species has large aromatic fruit, velvety on the outside, with raised hooked tubercles; yellow aromatic pulp which is edible when ripe, but said to be unwholesome if eaten to excess. A medium-sized forest tree ranging from Mexico to Panama and Venezuela." (*W. E. Safford.*)

39359 and 39360.

From Bogota, Colombia. Presented by Mr. Roberto Ancizar, secretary to the Colombian Legation, through Mr. W. E. Safford, of the Bureau of Plant Industry. Received October 29, 1914.

39359. *ANNONA CHERIMOLA* Miller. Annonaceæ.**Cherimoya.**

"One of the most delicious of the fruits of the higher regions of western South America; this variety is juicy and of a sweet acidulous flavor. Seeds relatively small in proportion to the pulp. Suitable for cultivation in the foothills of southern California." (*Safford.*)

39360. *PASSIFLORA LIGULARIS* JUSS. Passifloraceæ.**Granadilla.**

"An egg-shaped fruit with parchmentlike shell filled with an abundance of sweet juice and many small seeds. Used in tropical America for making sherbets and ices alone or with the addition of lemon juice or spices. Of easy culture in all warm localities, growing in the form of a vine from trellises and arbors, and desirable not only for its fruit but for its beautiful flowers." (*W. E. Safford.*)

39361. *ABUTILON THEOPHRASTI* Medic. Malvaceæ.**Ch'ingma.**(*Abutilon avicennae* Gaertn.)

Grown at Arlington Farm from seed received from Mr. R. A. Currie, Ichang, China, through Mr. A. H. Sugden, acting commissioner of customs, Hankow, China.

"Seeds of what purports to be *ta ma*. The capsules look to me small, and I am nearly sure that I have seen much larger ones, and I fear that these may be only the common hemp." (*Currie.*)

"The seeds from China are evidently those of the *ch'ingma* (*Abutilon theophrasti*), producing the so-called China jute or Tientsin fiber of commerce. *Ch'ingma* is cultivated from central China northward. Its fiber is stronger but somewhat harsher than that of India jute. It is used in this country to a limited extent, chiefly in the manufacture of jute carpets and rugs. The plant is adapted to the climate from Virginia to New York and westward to the Missouri Valley. It may be regarded as a promising fiber plant for introduction into this country, provided suitable methods can be devised for extracting the fiber and preparing it for market. We planted some of the seeds at Arlington Farm and secured 16 excellent plants about 3 meters high. The plants and also the leaves, flowers, and fruits were nearly twice the size of those of the ordinary velvet leaf planted at the same time, but otherwise no distinct difference has been detected between the two forms. We have harvested a quantity of seed from the plants this season, so as to have stock for sowing next year." (*L. H. Dewey.*)